Work Order ID 6	0	228
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Tuesday, June 29, 2010 11:39:49 AM



Page 1

Insp.

Stamp

Item ID: D3908-3 Accept Setup Start **Revision ID:** Stop Stud Receiver, Lower Item Name: Start Date: 6/29/2010 **Start Qty: 10.00 Cust Item ID:** Required Date: 7/6/2010 Req'd Qty: 10.00 **Customer:** Reference: Start Run Date: 16-639 Tooling: **Process Plan: Approvals:** Date: Stop QC: Date: SPC (Y/N): Date: Sequence ID/ Operation Tool ID Set Up/ Tool # Plan Reject Reject Accept **Work Center ID** Description Qty **Run Hours** Code **Qty** Number **Draw Nbr Revision Nbr** D3908 C

100

Cut blanks as per folio

0.00

ml 10/07/03

7/s B

Jeaspa Bandsaw

Bandsaw

CUT BLANK 4.00" LONG

110

HAAS 1

HAAS CNC vertical machine #1

Memo

Memo

0.00

MACHINE AS PER FOLIO FA866 AND DWG

FOLIO REV: DWG REV:

DEBURR

0.00

and 10/08/08

10 0

W/O:									
DATE	STEP	PRO	OCEDURE CH	IANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No	•	PAR #:	Fault Ca	tegory:	_ NCR: Yes	No DQA:		Date: _	
	R	esolution:	Disposit	ion:	_ QA: N/C (Closed:		Date: _	
NCR:			WORK OR	DER NON-CONFORMA	ANCE (NC	R)			
DATE	STEP	Description of NC Section A	Initial Chief Eng	Corrective Action Section Action Description Chief Eng	on B Sign Date			Approval Chief Eng	Approval QC Inspector
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Work Order ID 60228

Tuesday, June 29, 2010 11:39:49 AM



Page 2

Item ID:

D3908-3

Accept

Setup Start



Revision ID:

Item Name:

Stud Receiver, Lower

Start Date:

6/29/2010

Start Qty: 10.00

Required Date: 7/6/2010

Req'd Qty: 10.00



Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan:

Date: _____

Tooling:

Date: Date: Start

Stop

Stop



QC:

Date:

SPC (Y/N):

Tool ID

Tool # Plan Accept Qty Code

Reject Qty

Run

Reject Insp. Number Stamp

Sequence ID/

Work Center ID

120

QC

Quality Control

Operation Description

QC2- Inspect parts off machine FAI/FAIB

Memo

Set Up/ **Run Hours**

0.00

and 10/07/08

130



Quality Control

QC8- Inspect parts - second check

Memo

0.00

510107/09

Identify as per dwg & Stock Location:

0.00

160

Packaging Packaging

Memo

0.00

· 10.7. 9 Sf

Dail Aciospace Ela	Dart	Aeros	pace	Ltd
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W/O:			W	ORK ORDER CHANG	ES					
DATE	STEP	PRO	CEDURE CH	ANGE	E	у	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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				7.00						
Part No		PAR #:	Fault Cat	tegory:	NCR:	Yes N	o DQA:		_ Date: _	
		esolution:					Ĭ		Date:	
NCR:	·	V	VORK ORI	DER NON-CONFORMA	NCE (NCR)				
DATE	STEP	Description of NC	Initial	Corrective Action Section		Sign &	Verificat		Approval	Approvai
	0	Section A	Chief Eng	Action Description Chief Eng		Date	Section		Chief Eng	QC Inspector
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Work Order ID 60228

Tuesday, June 29, 2010 11:39:49 AM



Page 3

Item ID:

D3908-3

Accept

Setup Start



Revision ID:

Item Name:

Stud Receiver, Lower

Start Date:

Required Date: 7/6/2010

6/29/2010

QC:

Start Qty: 10.00

Req'd Qty: 10.00



Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan:

Operation

Description

Date:_____ Date:

Tooling: SPC (Y/N):

Date:

Date:

Run

Start

Stop



Stop

Sequence ID/

Work Center ID

170

QC

Memo

QC21- Final Inspection - Work Order Release

0.00

0.00

Set Up/ Tool ID **Run Hours**

Tool # Plan Code

Accept Qty

Reject Reject Qty

Insp. Number

Stamp

1/1000. MK 10-7-9

Quality Control

Dart Aerospace	Ltd
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Dart Ae	rospace	e Ltd						1		1.
W/O:			WO	RK ORDER CHANG	GES					
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	R	esolution:	Disposition	:	QA: N/0	Clos	sed:	1	Date:	· · · · · · · · · · · · · · · · · · ·
NCR:		V	WORK ORDE	R NON-CONFORM	IANCE (N	CR)				
		Description of NC		Corrective Action Sec	ction B		Verifica	atibr	n Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng		gn & ate	Sectio		Chief Eng	QC Inspector
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NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector
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Picklist Print

Tuesday, June 29, 2010 11:39:53 AM

Work Order ID: 60228

Parent Item: D3908-3

Parent Item Name: Stud Receiver, Lower

Start Date: 6/29/2010

Required Date: 7/6/2010

Start Qty: 10.00

Required Qty: 10.00

Comments:

IPP REV:A NEW ISSUE 09-11-24 JLM VERIFIED BY:DD IPP Rev:B

as per dwg revB DD 10.04.20 verified by:EC IPP Rev:C per ECN10-

581 10.05.28 DD verf:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M303B1.000X2.000		Purchased	No			100	f	21.1930	0.333333	3.508768			

303 BAR 1" X 2"

 Location
 Loc Oty
 Loc Code

 MAT
 21.19298

114899 21.19298

3.508768 cm/ 10/07/03

W/O:	İ		WO	RK ORDER CHANGI	ES					•
DATE	STEP	PR	OCEDURE CHAN	NGE	Ву	Date	9	ty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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				A STATE OF THE STA						<u> </u>
Part No	:	PAR #:	Fault Cateç	gory:	NCR: Ye	s No C	QA:		Date: _	
	R	esolution:	Disposition	n:	_ QA: N/C	Closed:			Date: _	
NCR:			WORK ORDE	R NON-CONFORMA	NCE (NO	CR)				
DATE	STEP	Description of NC	<u></u>	Corrective Action Section		Ver	rificati	o n	Approval	Approval
DATE	SIEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sig: Da	n& s	ection (Chief Eng	QC Inspector
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DART AEROSPACE LTD	Work Order:	40228
Description: Stud Receiver Lower	Part Number:	D3908-3
Inspection Dwg: D3908 Rev: B		Page 1 of 1

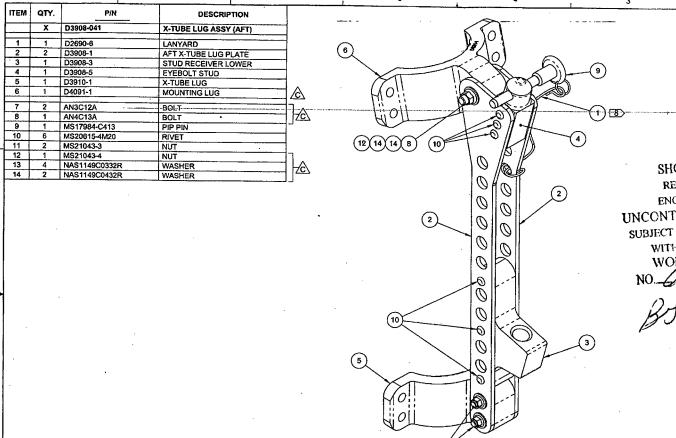
FIRST ARTICLE INSPECTION CHECKLIST

Γ	Drawing	Tolerance	Actual	Accept	Reject	Method of	Comments
ı	Dimension	Tolerance	Dimension	Accept	Keject	Inspection	Comments
T	Ø0.25	+0.005/-0.001	8.252	/			
Γ	0.625	+/-0.010	. 630	\			
Γ	0.368	+/-0.010	.362				
,	Ø0.453	+0.010/-0.000	8.456	\			
7	1.95	+/-0.030	1.941	/			
	Ø0.38 ±	03-00-0.001	0.378				
	0.63	+/-0.030	624				
F	2.43	+/-0.030	2.424				
	0.63	+/-0.030	.624				
1	0.75	+/-0.030	.752				
	0.38	+/-0.030	.374				
	R0.06	+/-0.030	R.060				
	R0.25	+/-0.030	R. 250				
Ĺ	3.80	+/-0.030	3.802				
	0.735	+0.000/-0.010	.730				•
	Ø0.129	+0.005/-0.001	8.129				
	1.25	+/-0.030	1.250				
	15°	+/-0.5 °	150				
L	1.587	+/-0.010	1.587				
	1.588	+/-0.010	1.587				
L	0.31	+/-0.030	.314	/			-
	0.750	+/-0.010	.757				
	0.95	+/-0.030	-950				
	0.99	+/-0.030	990				
L	90°	+/-0.5°	900				
	0.06 x 45°	+/-0.030 x 0.5°	.075X45				
	0.80	+/-0.030	803			·	
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Measured by:		Audited by:	8		Preliminary Approval:	
Date: 10/07/	28	Date:	12/07/09	[Date:	K.

Rev	Date	Change	Revised	oy	Approved
Α	10.04.01	New Issue	KJ 🕊		
В	10.04.20	Dwg Rev updated	KJ	N/	

W/O:			WORK ORDER CHANGES									
DATE	STEP		PRO	OCEDURE CH	ANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
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Part No:			PAR #:	Fault Category: NCR:			NCR: Yes No DQA: Date:					
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DATE	SIEP		Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C		Chief Eng	QC Inspector		
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SHOP COUN RETURN TO **ENGINEERING** UNCONTROLLED COPY SUBJECT TO AMENDMENT WITHOUT NOTICE WORK ORDER NO. 60228 BS10-6-29

D3908-041 X-TUBE LUG ASSY (AFT)

NOTES:
1) MATERIAL: N/A
2) FINISH: NONE
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: N/A
6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3908-041" USING FINE POINT PERMANENT INK MARKER 8) ATTACH TO D3908-1 BY LOOPING AROUND LIGHTENING HOLE FIRST AND THEN SECURE TO MS17984-C413 PIP PIN'S RING.

REDESIGNED ITEM #2; ITEM#8 REPLACES QTY 1 ITEM#5; QTY 2 POR TIEM #7 & 11 WAS QTY 4, QTY 8 FOR ITEM #13 WAS 4, ADDED ITEM\$ #5, 12 & 14 BOM: 03809-5 REPLACED WITH DS908-5, QTY 1 ADDED: D2890-2 & MST/984C-413. SHEET 5. ADDED 03808-5 10.05.27 10.04.06 10.03.04 REV. DESCRIPTION DATE BY

DESIGN **DART AEROSPACE LTD** DRAWN HAWKESBURY, ONTARIO, CANADA CHECKED DRAWING NO. REV. C D3908 MFG. APPR. SHEET 1 OF APPROVED TITLE SCALE DE APPR

X-TUBE LUG ASSY (AFT)

COPYRIGHT © 2010 BY DART AEROSPACE LTD

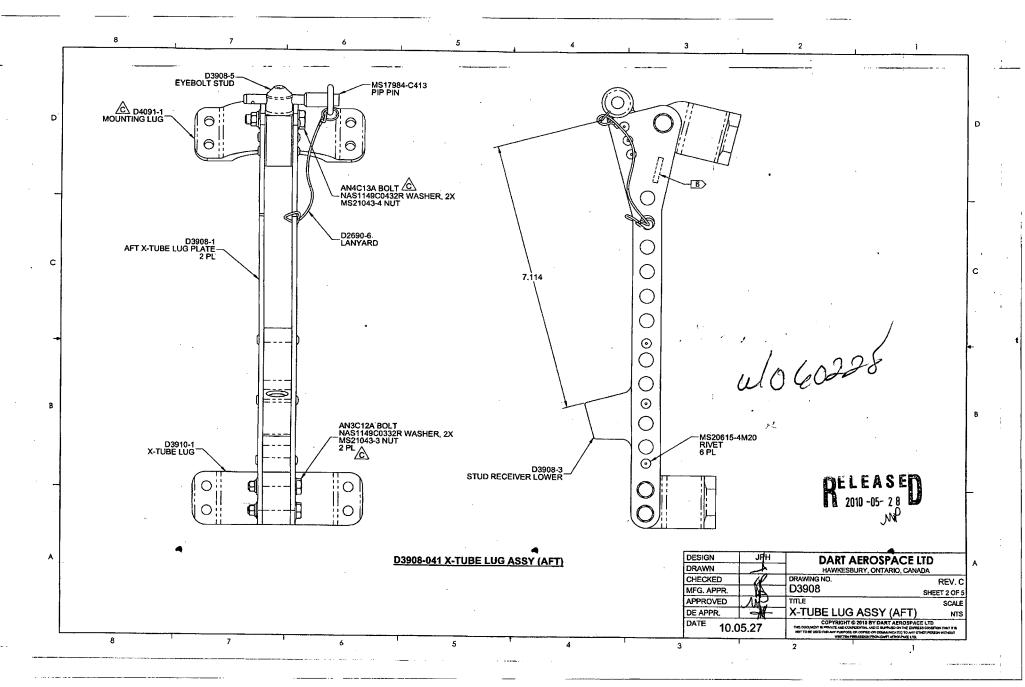
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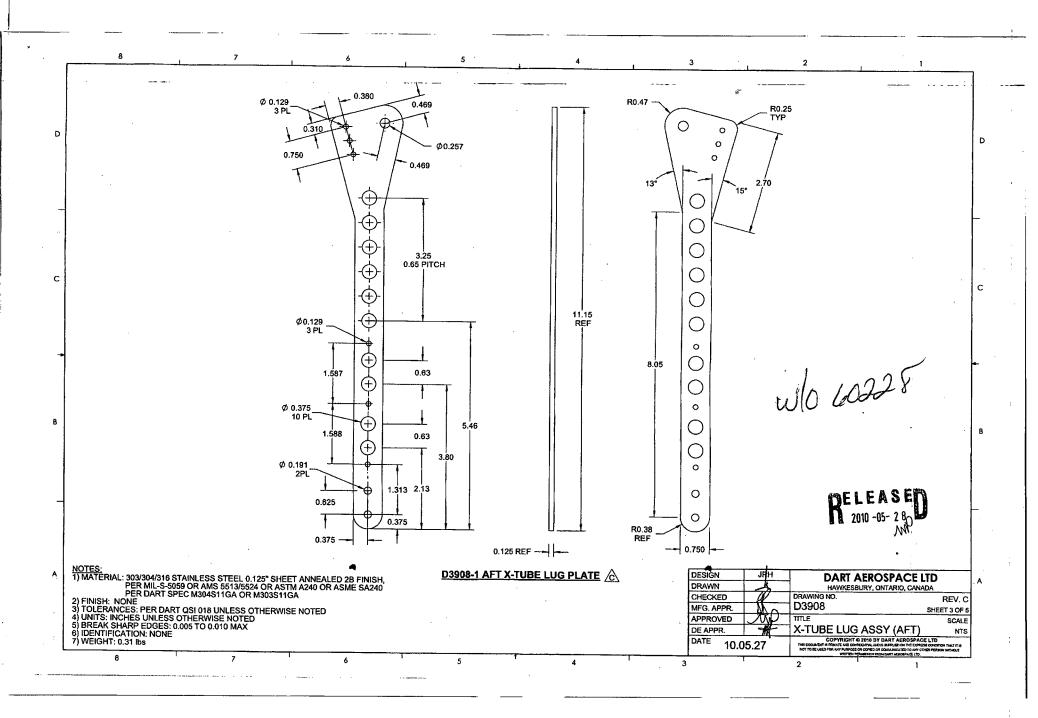
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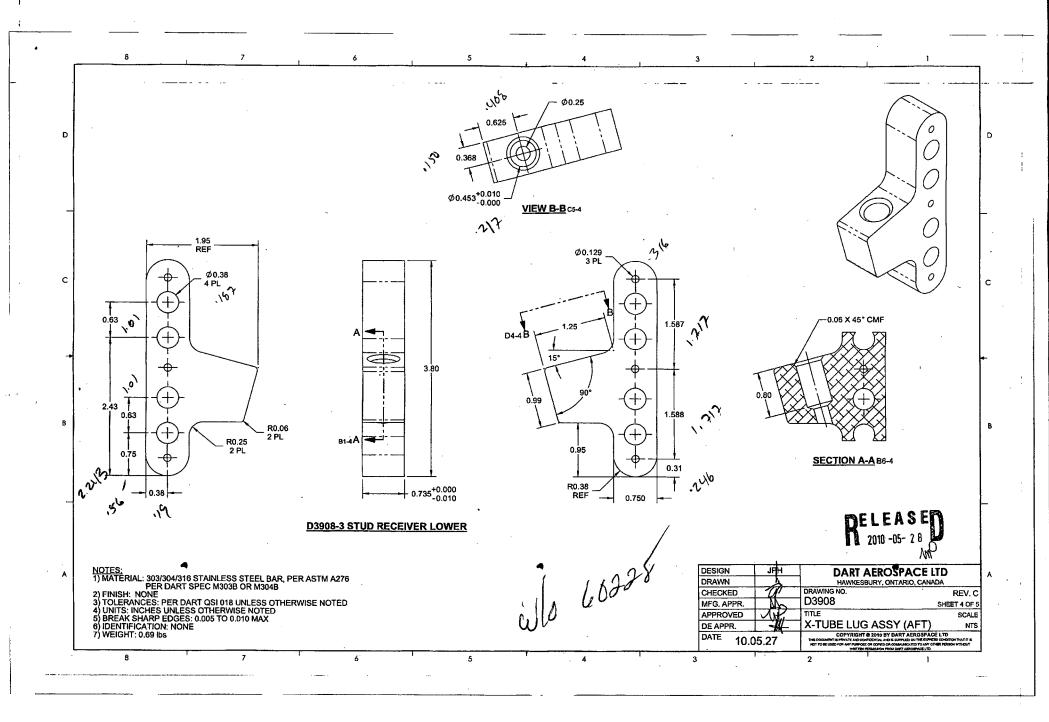
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W/O:			W	ORK ORDER CHANG	ES						
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Part No:		PAR #:	Fault Cat	egory:	_ NCR: Y	es No	DQA:		Date: _		
	Res	solution:	Disposition: QA: N/C Closed					Date:			
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W/O:		WORK ORDER CHANGES									
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Part No:		PAR #:	Fault Category: NCR: Yes No			No DQA:					
Resolution:			Dispositi	Disposition: QA: N/C Closed:				Date:			
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DATE	STEP	Description of NC	1	Corrective Action Section		on	Approval	Approval			
	0.5.	Section A	Initial Chief Eng	Action Description Chief Eng	Sign Date		_	Chief Eng	QC Inspector		
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Dart Aerospace Ltd WORK ORDER CHANGES W/O: **Approval Approval STEP** PROCEDURE CHANGE Qty DATE By Date Chief Eng / QC Inspector Prod Mgr Date: Part No: ______ PAR #: ____ Fault Category: _____ NCR: Yes No DQA: ____ Resolution: ____ Disposition: ____ QA: N/C Closed: ____ Date: _____ **WORK ORDER NON-CONFORMANCE (NCR)** NCR: **Corrective Action** Section B **Description of NC** Verification **Approval Approval** DATE **STEP** Sign & **Action Description** Initial Section A Section C Chief Eng QC Inspector Chief Eng Date Chief Eng



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W/O:	İ		W	ORK ORDER CHANG	ES		1				
DATE	STEP	PROCEDURE CHANGE					Qty	Approval Chief Eng /	Approval QC Inspector		
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Part No:		PAR #:	Fault Cat	egory:	_ NCR: Ye	es No [QA:	Date: _			
Resolution:			Disposition: QA: N/C Closed:			Closed:		Date:			
NCR:		V	VORK ORI	DER NON-CONFORMA	ANCE (N	CR)					
DATE	STEP	Description of NC	Corrective Action Section			Vei	rification	Approval	Approval		
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D 0 0 0 С Ø0.266 THRU R0.060 TYP Ø0.129 THRU TYP Ç SYMM Ø0.700^{+0.000} Ø1.00 0.750 0.375 PITCH -0.230 X 45° CHAM 0.310 0.735 +0.010 -0.000 0.350 **D3908-5 EYEBOLT STUD** who 6022. NOTES:
1) MATERIAL: 303/304/316 STAINLESS STEEL ROUND BAR, PER ASTM A276 OR ASTM A582
PER DART SPEC M303R OR M304R
2) FINISH: NONE
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: NONE
7) WEIGHT: 0.26 lbs DESIGN DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA DRAWN DRAWING NO. CHECKED REV. C D3908 MFG. APPR. SHEET 5 OF 5 TITLE APPROVED SCALE X-TUBE LUG ASSY (AFT) DE APPR. NTS DATE COPYRIGHT © 2010 BY DART AEROSPACE LTD 10.05.27 8 5 3

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W/O:		WORK ORDER CHANGES							
DATE	STEP	PRO	CEDURE CH	ANGE	Ву	Date	ty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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NCR:		V	VORK ORE	DER NON-CONFORM	IANCE (NC	R)			
DATE	STEP	Description of NC	Corrective Action Section			Verifica			
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